#2

OIPE

RAW SEQUENCE LISTING   DATE: 05/16/2001
PATENT APPLICATION: US/09/849,729   TIME: 14:56:18

Input Set : A:\RDID 0070.ST25.txt
Output Set: N:\CRF3\05162001\I849729.raw

ENTERED

```
      3 <110> APPLICANT: Liu, Jen-Kuei
      4        Lewis, Samantha
      5        Batz, Hans-Georg
      6        Ramaswamy, Latha
      7        Bohenzky, Roy
      8        Lin, Yu-Huei
      9        Montiel, Janine
     10        Chen, Benjamin
     12 <120> TITLE OF INVENTION: Sentinel Virus II
     14 <130> FILE REFERENCE: RDID 0070
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/849,729
C--> 16 <141> CURRENT FILING DATE: 2001-05-04
     16 <150> PRIOR APPLICATION NUMBER: US 60/202271
     17 <151> PRIOR FILING DATE: 2000-05-05
     19 <160> NUMBER OF SEQ ID NOS: 5
     21 <170> SOFTWARE: PatentIn version 3.0
     23 <210> SEQ ID NO: 1
     24 <211> LENGTH: 371
     25 <212> TYPE: DNA
     26 <213> ORGANISM: Sentinel Virus II
     28 <400> SEQUENCE: 1
     29 gatcmggaaa cgyttsgctc ggtgcatgca gaaggacggg wtgaaggcgg acgggattga      60
     31 cgacgacgac gacattgcga tgaaagatgg gaccgcygac gtccttggcg gggcggagcg     120
     33 cgagaaccaa gacgacgagg acgaggacgt ctacgcgcgc atccgtttcc ttcctgagcg     180
     35 ggtatttgac acctccgcat tgctgatcct gaagttctcg cttgcagacg ctgattcagc     240
     37 gccgcttcgt cgcacctgct ttggacgctg caaaccgcac ggctcggacc atcgtcagtt     300
     39 tcctgcttca gaggtgaatt tccgaccccg ttggactttg ctctctcttc tctctctacc     360
     41 cgacgacgat c                                                          371
     44 <210> SEQ ID NO: 2
     45 <211> LENGTH: 372
     46 <212> TYPE: DNA
     47 <213> ORGANISM: Sentinel Virus II
     49 <220> FEATURE:
     50 <221> NAME/KEY: misc_feature
     51 <222> LOCATION: (372)..(372)
     52 <223> OTHER INFORMATION: unknown: can be a, t, g, c or there could be no nucleotide found
     53        in this position.
     56 <400> SEQUENCE: 2
     57 gatcgtcgtc gggtagagag agaagagaga gcaaagtcca acggggtcgg aaattcacct      60
     59 ctgaagcagg aaactgacga tggtccgagc cgtgcggttt gcagcgtcca aagcaggtgc     120
     61 gacgaagcgg cgctgaatca gcgtctgcaa gcgagaactt caggatcagc aatgcggagg     180
     63 tgtcaaatac ccgctcagga aggaaacgga tgcgcgcgta gacgtcctcg tcctcgtcgt     240
     65 cttggttctc gcgctccgcc ccgccaagga cgtcrgcggt cccatctttc atcgcaatgt     300
     67 cgtcgtcgtc gtcaatcccg tccgccttca scccgtcctt ctgcatgcac cgagcwaarc     360
W--> 69 gtttcckgat cn                                                        372
     72 <210> SEQ ID NO: 3
     73 <211> LENGTH: 123
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       74 <212> TYPE: PRT
       75 <213> ORGANISM: Sentinel Virus II
       77 <220> FEATURE:
W-->   78 <221> NAME/KEY: Miscellaneous
       79 <222> LOCATION: (14)..(14)
       80 <223> OTHER INFORMATION: This residue can be Met or Leu.
       83 <220> FEATURE:
W-->   84 <221> NAME/KEY: Miscellaneous
       85 <222> LOCATION: (5)..(5)
       86 <223> OTHER INFORMATION: This residue can be Phe or Leu.
       89 <400> SEQUENCE: 3
W-->   91 Ile Arg Lys Arg Xaa Ala Arg Cys Met Gln Lys Asp Gly Xaa Lys Ala
       92 1               5                  10                  15
       94 Asp Gly Ile Asp Asp Asp Asp Asp Ile Ala Met Lys Asp Gly Thr Ala
       95             20                  25                  30
       97 Asp Val Leu Gly Gly Ala Glu Arg Glu Asn Gln Asp Asp Glu Asp Glu
       98             35                  40                  45
      100 Asp Val Tyr Ala Arg Ile Arg Phe Leu Pro Glu Arg Val Phe Asp Thr
      101       50                  55                  60
      103 Ser Ala Leu Leu Ile Leu Lys Phe Ser Leu Ala Asp Ala Asp Ser Ala
      104 65                  70                  75                  80
      106 Pro Leu Arg Arg Thr Cys Phe Gly Arg Cys Lys Pro His Gly Ser Asp
      107             85                  90                  95
      109 His Arg Gln Phe Pro Ala Ser Glu Val Asn Phe Arg Pro Arg Trp Thr
      110             100                 105                 110
      112 Leu Leu Ser Leu Leu Ser Leu Pro Asp Asp Asp
      113         115                 120
      115 <210> SEQ ID NO: 4
      116 <211> LENGTH: 124
      117 <212> TYPE: PRT
      118 <213> ORGANISM: Sentinel Virus II
      120 <220> FEATURE:
W-->  121 <221> NAME/KEY: Miscellaneous
      122 <222> LOCATION: (111)..(111)
      123 <223> OTHER INFORMATION: This residue can be Ala or Pro.
      126 <220> FEATURE:
W-->  127 <221> NAME/KEY: Miscellaneous
      128 <222> LOCATION: (119)..(119)
      129 <223> OTHER INFORMATION: This residue can be Gln or His.
      132 <220> FEATURE:
W-->  133 <221> NAME/KEY: Miscellaneous
      134 <222> LOCATION: (120)..(120)
      135 <223> OTHER INFORMATION: This residue can be Ser or Asn.
      138 <220> FEATURE:
W-->  139 <221> NAME/KEY: Miscellaneous
      140 <222> LOCATION: (123)..(123)
      141 <223> OTHER INFORMATION: This residue can be Gly or a termination codon.
      144 <400> SEQUENCE: 4
      146 Asp Arg Arg Arg Val Glu Arg Glu Glu Arg Ala Lys Ser Asn Gly Val
```

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              PATENT APPLICATION:  US/09/849,729      TIME: 14:56:18

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     147 1                      5                   10                  15
     149 Gly Asn Ser Pro Leu Lys Gln Glu Thr Asp Asp Gly Pro Ser Arg Ala
     150             20                  25                  30
     152 Val Cys Ser Val Gln Ser Arg Cys Asp Glu Ala Ala Leu Asn Gln Arg
     153             35                  40                  45
     155 Leu Gln Ala Arg Thr Ser Gly Ser Ala Met Arg Arg Cys Gln Ile Pro
     156       50                  55                  60
     158 Ala Gln Glu Gly Asn Gly Cys Ala Arg Arg Arg Pro Arg Pro Arg Arg
     159 65                  70                  75                  80
W--> 161 Leu Gly Ser Arg Ala Pro Pro Arg Gln Gly Arg Xaa Arg Ser His Leu
     162             85                  90                  95
W--> 164 Ser Ser Gln Cys Arg Arg Arg Arg Gln Ser Arg Pro Pro Ser Xaa Arg
     165            100                 105                 110
W--> 167 Pro Ser Ala Cys Thr Glu Xaa Xaa Val Ser Xaa Ser
     168            115                 120
     170 <210> SEQ ID NO: 5
     171 <211> LENGTH: 25
     172 <212> TYPE: PRT
     173 <213> ORGANISM: Sentinel Virus II
     175 <220> FEATURE:
W--> 176 <221> NAME/KEY: Miscellaneous
     177 <222> LOCATION: (12)..(12)
     178 <223> OTHER INFORMATION: This residue can be Ser or Thr.
     181 <220> FEATURE:
W--> 182 <221> NAME/KEY: Miscellaneous
     183 <222> LOCATION: (24)..(24)
     184 <223> OTHER INFORMATION: This residue can be Leu or Arg.
     187 <400> SEQUENCE: 5
W--> 189 Met Ser Ser Ser Ser Ser Ile Pro Ser Ala Phe Xaa Pro Ser Phe Cys
     190 1                      5                   10                  15
W--> 192 Met His Arg Ala Lys Arg Phe Xaa Ile
     193             20                  25
```

```
L:16 M:270 C: Current Application Number differs, Replaced Current Application No
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:78 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:91 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:139 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:182 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
```